

SUMMARY OF AMENDMENTS
TO
DRINKING WATER REGULATIONS UNDER THE *SAFE DRINKING WATER ACT, 2002*
ASSOCIATED REGULATIONS UNDER OTHER LEGISLATION

JULY, 2003

- O. Reg. 249/03 made under the *Safe Drinking Water Act* Amending O. Reg. 170/03 (Drinking Water Systems)
- O. Reg. 269/03 made under the *Safe Drinking Water Act* Amending O. Reg. 170/03 (Drinking Water Systems)
- O. Reg. 268/03 made under the *Safe Drinking Water Act* Amending O. Reg. 169/03 (Ontario Drinking Water Quality Standards)
- O. Reg. 270/03 made under the *Safe Drinking Water Act* Amending O. Reg. 171/03 (Definitions of Words and Expressions Used in the Act)
- O. Reg. 271/03 made under the *Ontario Water Resources Act* Amending O. Reg. 435/93 (Water Works and Sewage Works)
- O. Reg. 272/03 made under the *Ontario Water Resources Act* Amending O. Reg. 525/98 (Approval Exemptions)
- O. Reg. 273/03 made under the *Environmental Protection Act* Amending O. Reg. 524/98 (Certificate of Approval Exemptions – Air)

PIBs 4475e

OVERVIEW OF DRINKING WATER REGULATIONS

The following is a summary of the drinking-water regulations that were recently amended. This table is provided for information purposes only. Reference should always be made to the text of the Regulation and the *Safe Drinking Water Act, 2002*. A copy of the SDWA and the regulations made thereunder may be obtained from the Ministry's Web site at www.ene.gov.on.ca.

Drinking-Water Systems Regulation – O. Reg. 170/03

- O. Reg. 170/03 was made under the *Safe Drinking Water Act, 2002*, and came into effect on June 1, 2003.
- This regulation prescribes requirements for owners and operators of municipal and regulated non-municipal drinking-water systems. It replaces Ontario Regulations 459/00 and 505/01 made under the Ontario Water Resources Act and extends its application to other drinking-water systems including small systems that serve drinking water to the public.
- On June 16, 2003, O. Reg. 170/03 was amended by O. Reg. 249/03
- On June 30, 2003, O. Reg. 170/03 was amended by O. Reg. 269/03
- Details of the amendments can be found in **Table 1**.

The following Regulations support O. Reg. 170/03:

Ontario Drinking-Water Quality Standards – O. Reg. 169/03

- O. Reg. 169/03 was made under the *Safe Drinking Water Act, 2002* and came into effect on June 1, 2003. This regulation establishes the enforceable drinking water standards. On June 30, 2003, O. Reg. 169/03 was amended by 268/03. Details of the amendments can be found in **Table 2**.

Definitions of Words and Expressions Used in the Safe Drinking Water Act – O. Reg. 171/03

- O. Reg. 171/03 was made under the *Safe Drinking Water Act, 2002* and came into effect on June 1, 2003. This regulation defines terms and expressions used in the *Safe Drinking Water Act* that were left to regulations under the Act, such as the term “private residences”. On June 30, 2003, O. Reg. 171/03 was amended by O. Reg. 270/03. Details of the amendments can be found in **Table 3**.

The following Regulations were amended to be consistent with O. Reg. 170/03:

- O. Reg. 435/93 (Water Works and Sewage Works) was made under the *Ontario Water Resources Act*
 - On June 30, 2003, O. Reg. 435/93 was amended by O. Reg. 271/03
 - Details of the amendments can be found in **Table 4**.
- O. Reg. 525/98 (Approvals Exemption) was made under the *Ontario Water Resources Act*
 - On June 30, 2003 O. Reg. 525/98 was amended by O. Reg. 272/03
 - Details of the amendments can be found in **Table 5**.
- O. Reg. 524/98 (Certificate of Approval Exemptions – Air) was made under the *Environmental Protection Act*
 - On June 30, 2003 O. Reg. 524/98 was amended by O. Reg. 273/03. Details of the amendments can be found in **Table 6**.

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Table 1 – Summary of Amendments to Ontario Regulation 170/03

<p align="center">Summary of Amendments to Ontario Regulation 170/03 (Per Ontario Regulations 249/03 and 269/03 made under the <i>Safe Drinking Water Act</i>) Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments</p>	
Section	Amendment
Section 1	The definition of "distribution sample" in subsection 1 (1) of Ontario Regulation 170/03 is amended by striking out "the point at which treated water enters" and substituting "the point at which drinking water enters".
Section 1	Clause (b) of the definition of "public facility" in subsection 1 (1) of the Regulation is revoked and the following substituted: (b) a place that operates primarily for the purpose of providing overnight accommodation to the travelling public, (b.1) a trailer park or campground,
Section 1	The definition of "public facility" in subsection 1 (1) of the Regulation is amended by striking out the portion after clause (h).
Section 1	Clause (b) of the definition of "trained person" in subsection 1 (1) of the Regulation is revoked and the following substituted: (b) a person who, in the preceding 36 months, successfully completed a course approved by the Director that relates to the operation and routine maintenance of drinking-water systems;
Section 1	Subsection 1 (1) of the Regulation is amended by adding the following definition: "water quality analyst" means a person who, (a) has at least one year of experience working in a laboratory in a drinking-water system or in a laboratory that, in the Director's opinion, is similar to a laboratory in a drinking-water system, and (b) has passed an examination approved by the Director that relates to water quality testing in drinking-water systems or, in the Director's opinion, has education, training or experience indicating that the person has the skills tested by the examination.
Section 1	The definition of "point of entry treatment unit" in subsection 1 (1) of Ontario Regulation 170/03 is revoked and the following substituted: "point of entry treatment unit" means equipment that, (a) is designed to provide primary disinfection, (b) is installed in a drinking-water system at or near where water from the system enters a building or other structure, and (c) is connected to the plumbing associated with the building or other structure;
Section 3	Section 3 of the Regulation is amended by adding the following subsection: (4) For the purposes of this Regulation, a place that is both a designated facility and a public facility is open on a day, despite subsections (1) to (3), if, (a) as a designated facility, it is open on that day, according to subsection (1) or (2), whichever is applicable; or (b) as a public facility, it is open on that day, according to subsection (3).

<p align="center">Summary of Amendments to Ontario Regulation 170/03 (Per Ontario Regulations 249/03 and 269/03 made under the <i>Safe Drinking Water Act</i>) Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments</p>	
Section	Amendment
Section 5	<p>Paragraphs 3 and 4 of subsection 5 (1) of the Regulation are revoked and the following substituted:</p> <p>3. Sections 11-1, 11-2 and 11-4 of Schedule 11.</p> <p>4. Sections 13-1, 13-3, 13-5, 13-6, 13-10 and 13-11 of Schedule 13.</p>
Section 5	<p>Paragraphs 2 and 3 of subsection 5 (2) of the Regulation are revoked and the following substituted:</p> <p>2. Sections 11-1, 11-2 and 11-4 of Schedule 11.</p> <p>3. Sections 13-1, 13-3, 13-5, 13-10 and 13-11 of Schedule 13.</p>
Section 5	<p>Subsection 5 (3) of the Regulation is amended by striking out "system to which this Regulation that provides" in the portion before paragraph 1 and substituting "system to which this Regulation applies that provides".</p>
Section 5	<p>Paragraphs 2 and 3 of subsection 5 (3) of the Regulation are revoked and the following substituted:</p> <p>2. Sections 12-1, 12-2 and 12-4 of Schedule 12.</p> <p>3. Sections 14-1, 14-3, 14-8 and 14-9 of Schedule 14.</p>
Section 5	<p>Subsection 5(1) of the Regulation is amended by striking out the portion before paragraph 1 and substituting the following:</p> <p>Exemptions: residential systems</p> <p>(1) If a large municipal residential system or small municipal residential system obtains all of its water from a large municipal residential system or small municipal residential system to which this Regulation applies that provides secondary disinfection in accordance with section 1-5 of Schedule 1, Schedules 1, 7, 10, 11 and 13 do not apply to the system that obtains the water, except for the following provisions:</p>
Section 5	<p>Section 5 of the Regulation is amended by adding the following subsection:</p> <p>(4) This Regulation, except sections 8.1 and 9 and subsections 11 (2.1), (8) and (9), does not apply to a drinking-water system that obtains all of its water from another drinking-water system if,</p> <p>(a) pursuant to subsection (1), (2) or (3), the drinking-water system that obtains the water is exempt from provisions of this Regulation; and</p> <p>(b) the owner of the drinking-water system from which the water is obtained has agreed in writing,</p> <p>(i) to ensure that the treatment equipment that provides secondary disinfection in accordance with section 1-5 of Schedule 1 or 2-5 of Schedule 2 is operated so that, at all times and at all locations within the distribution system of the system that obtains the water,</p> <p>(A) the free chlorine residual is never less than 0.05 milligrams per litre, if the drinking-water system from which the water is obtained provides chlorination and does not provide chloramination, or</p> <p>(B) the combined chlorine residual is never less than 0.25 milligrams per litre, if the drinking-water system from which the water is obtained provides chloramination, and</p> <p>(ii) to sample and test the water in the distribution system of the system that obtains the water as if it were part of the distribution system of the system from which the water is obtained.</p>

<p align="center">Summary of Amendments to Ontario Regulation 170/03 (Per Ontario Regulations 249/03 and 269/03 made under the <i>Safe Drinking Water Act</i>) Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments</p>	
Section	Amendment
Section 6	Subsection 6 (1) of the Regulation is amended by striking out “except subsection 9 (1)” in the portion before clause (a) and substituting “except section 8.1 and subsections 9 (1) and 11 (2.1), (8) and (9)”.
Section 6	<p>Clause 6 (1) (c) of the Regulation is revoked and the following substituted:</p> <p>(c) the owner of the drinking-water system from which the water is obtained has agreed in writing,</p> <p>(i) to ensure that the treatment equipment that provides secondary disinfection referred to in clause (b) is operated so that, at all times and at all locations within the distribution system of the system that obtains the water,</p> <p>(A) the free chlorine residual is never less than 0.05 milligrams per litre, if the drinking-water system from which the water is obtained provides chlorination and does not provide chloramination, or</p> <p>(B) the combined chlorine residual is never less than 0.25 milligrams per litre, if the drinking-water system from which the water is obtained provides chloramination, and</p> <p>(ii) to sample and test the water in the distribution system of the system that obtains the water as if it were part of the distribution system of the system from which the water is obtained.</p>
Section 7	<p>Section 7 of the Regulation is amended by adding the following subsections:</p> <p>(3) Subsection (2) does not apply to a drinking-water system on days on which all designated facilities and all public facilities served by the system are not open.</p> <p>(4) Subsection (2) does not apply to a drinking-water system if the system provides disinfection equipment for primary disinfection that does not use chlorination or chloramination and the disinfection equipment is operated in accordance with the following standards:</p> <ol style="list-style-type: none"> 1. The disinfection equipment has a feature that causes an alarm to sound in the following locations if the disinfection equipment malfunctions, loses power or ceases to provide the appropriate level of disinfection: <ol style="list-style-type: none"> i. The building or structure where the disinfection equipment is installed. ii. A location where a person is present, if a person is not always present at the location described in subparagraph I. iii. Every designated facility served by the drinking-water system. 2. If an alarm sounds under paragraph 1, a person who is at the building or structure where the disinfection equipment is installed must take appropriate action or a person must promptly be dispatched to that location to take appropriate action. 3. A person who is dispatched under paragraph 2 must arrive at the building or structure where the disinfection equipment is installed as soon as possible.
Section 8	Clause 8 (1) (c) of the Regulation is amended by striking out "all water fountains" at the beginning and substituting "all drinking water fountains".
Section 8	Clause 8 (1) (d) of the Regulation is amended by striking out "clauses (a), (b) and (c)" and substituting "clauses (a) and (c)".

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Section	Amendment
Section 8	Subsection 8 (3) of the Regulation is amended by striking out the portion before clause (a) and substituting the following: (3) Subsection (1) applies to a small non-municipal non-residential system only if,
Section 8	Clause 8 (3) (b) of the Regulation is amended by adding "to which the general public has access" at the end.
New Section	The Regulation is amended by adding the following section: Exemption from certified operator requirement of Act 8.1 (1) Section 12 of the Act does not apply to a municipal drinking-water system unless the system is, (a) a large municipal residential system; (b) a small municipal residential system; or (c) a large municipal non-residential system. (2) Section 12 of the Act does not apply to a large municipal non-residential system if, pursuant to section 6 or 7 of this Regulation, provisions of this Regulation do not apply to the system.
Section 8.1	Section 8.1 of the Regulation is amended by adding the following subsections: (3) Section 12 of the Act does not apply to a non-municipal year-round residential system if, (a) pursuant to subsection 5 (2) of this Regulation, provisions of this Regulation do not apply to the system; and (b) the system does not rechlorinate the water it obtains. (4) Section 12 of the Act does not apply to a non-municipal year-round residential system if, pursuant to subsection 5 (4) of this Regulation, provisions of this Regulation do not apply to the system. (5) Section 12 of the Act does not apply to a large non-municipal non-residential system if, pursuant to section 6 or 7 of this Regulation, provisions of this Regulation do not apply to the system.
Section 9	Subsection 9 (1) of the Regulation is revoked and the following substituted: Exemption from approval requirements of Act (1) Subsection 31 (1) of the Act does not apply to a municipal drinking-water system unless the system is, (a) a large municipal residential system; or (b) a small municipal residential system.
Section 11	Section 11 of the Regulation is amended by adding the following subsection: (2.1) If a drinking-water system is connected to and receives all of its drinking water from another drinking-water system, the owner of the system from which the water is obtained shall ensure that, at the same time that the annual report for the system is given to the Director, a copy of the report is given to the owner of the system that obtains the water.

Summary of Amendments to Ontario Regulation 170/03

(Per Ontario Regulations 249/03 and 269/03 made under the *Safe Drinking Water Act*)

Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments

Section	Amendment
Section 11	<p>(2) Subsections 11 (7), (8) and (9) of the Regulation are revoked and the following substituted:</p> <p>(7) The owner of a drinking-water system shall ensure that a copy of an annual report for the system is given, without charge, to every person who requests a copy.</p> <p>(8) If a drinking-water system is connected to and receives all of its drinking water from another drinking-water system, the owner of the system that obtains the water shall ensure that a copy of an annual report for the system from which the water is obtained is given, without charge, to every person who requests a copy.</p> <p>(9) Subsections (7) and (8) do not apply to an annual report that is more than two years old.</p> <p>(9.1) Every time that an annual report is prepared for a drinking-water system, the owner of the system shall ensure that effective steps are taken to advise users of water from the system that copies of the report are available, without charge, and of how a copy may be obtained.</p>
Section 13	<p>Subsection 13 (2) of the Regulation is amended by adding the following paragraph:</p> <p>5. If the owner gave the Director a written statement by a professional engineer under subsection 21-2 (3) of Schedule 21, a copy of the OWRA approval referred to in that subsection.</p>
Section 1-2 of Schedule 1	<p>Paragraph 1 of subsection 1-2 (2) of Schedule 1 to the Regulation is amended by striking out "being obtained or supplied" at the end and substituting "being supplied".</p>
Section 1-2 of Schedule 1	<p>Paragraph 4 of subsection 1-2 (2) of Schedule 1 to the Regulation is revoked and the following substituted:</p> <p>4. If the drinking-water system's water treatment equipment provides chlorination or chloramination for secondary disinfection, the equipment is operated so that, at all times and at all locations within the distribution system,</p> <ul style="list-style-type: none"> i. the free chlorine residual is never less than 0.05 milligrams per litre, if the drinking-water system provides chlorination and does not provide chloramination, or ii. the combined chlorine residual is never less than 0.25 milligrams per litre, if the drinking-water system provides chloramination.

Summary of Amendments to Ontario Regulation 170/03

(Per Ontario Regulations 249/03 and 269/03 made under the *Safe Drinking Water Act*)

Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments

Section	Amendment
Sections 1-3 and 1-4 of Schedule 1	<p>Sections 1-3 and 1-4 of Schedule 1 to the Regulation are revoked and the following substituted:</p> <p>Primary disinfection for ground water raw water supply</p> <p>1-3. The owner of a drinking-water system that obtains water from a raw water supply that is ground water shall ensure provision of water treatment equipment that is designed to be capable of achieving, at all times, primary disinfection in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario, including at least 99 per cent removal or inactivation of viruses by the time water enters the distribution system.</p> <p>Filtration and primary disinfection for surface water raw water supply</p> <p>1-4. The owner of a drinking-water system that obtains water from a raw water supply that is surface water shall ensure provision of,</p> <p>(a) water treatment equipment that,</p> <p style="padding-left: 40px;">(i) is designed to be capable of chemically assisted filtration, and</p> <p style="padding-left: 40px;">(ii) is designed to be capable of achieving, at all times, primary disinfection in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario, including at least 99 per cent removal or inactivation of <i>Cryptosporidium</i> oocysts, at least 99.9 per cent removal or inactivation of <i>Giardia</i> cysts and at least 99.99 per cent removal or inactivation of viruses by the time water enters the distribution system; or</p> <p>(b) other water treatment equipment that, in the Director's opinion, is designed to be capable of producing water of equal or better quality than the equipment described in clause (a).</p>
Section 1-6 of Schedule 1	<p>Section 1-6 of Schedule 1 to the Regulation is amended by striking out the portion before paragraph 1 and substituting the following:</p> <p>Primary disinfection equipment that does not use chlorination or chloramination</p> <p>1-6. If primary disinfection equipment that does not use chlorination or chloramination is provided by a drinking-water system, the owner of the system and the operating authority for the system shall ensure that the following standards are met:</p>
Section 1-6 of Schedule 1	<p>Section 1-6 of Schedule 1 to the Regulation is amended by adding the following paragraph:</p> <p>4. In the case of a large municipal residential system, the disinfection equipment must have a recording device that continuously records the performance of the disinfection equipment.</p>
Section 1-8 of Schedule 1	<p>Section 1-8 of Schedule 1 to the Regulation is amended by striking out "sections 1-2 to 1-6" in the portion after clause (b) and substituting "sections 1-3 to 1-6".</p>
Section 1-9 of Schedule 1	<p>Subsection 1-9 (1) of Schedule 1 to the Regulation is amended by striking out "sections 1-2 to 1-6" and substituting "sections 1-3 to 1-6".</p>
Section 2-2 of Schedule 2	<p>Paragraph 1 of subsection 2-2 (2) of Schedule 2 to the Regulation is amended by striking out "being obtained or supplied" at the end and substituting "being supplied".</p>

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Section	Amendment
Section 2-2 of Schedule 2	<p>Section 2-2 of Schedule 2 to the Regulation is amended by adding the following subsection:</p> <p>(3) Subsection (2) does not apply during a period of 60 or more consecutive days when,</p> <ul style="list-style-type: none"> (a) the drinking-water system is not in operation; or (b) the drinking-water system supplies water only to private residences that are occupied by the owner of the system, members of the family of the owner of the system, employees or agents of the owner of the system, or members of the families of employees or agents of the owner of the system.
Sections 2-3 and 2-4 of Schedule 2	<p>Sections 2-3 and 2-4 of Schedule 2 to the Regulation are revoked and the following substituted:</p> <p>Primary disinfection for ground water raw water supply</p> <p>2-3. The owner of a drinking-water system that obtains water from a raw water supply that is ground water shall ensure provision of water treatment equipment that is designed to be capable of achieving, at all times, primary disinfection in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario, including at least 99 per cent removal or inactivation of viruses by the time,</p> <ul style="list-style-type: none"> (a) water leaves the point of entry treatment units, in the case of a drinking-water system to which, pursuant to section 3-2 of Schedule 3, section 2-5 does not apply; or (b) water enters the distribution system, in any other case. <p>Filtration and primary disinfection for surface water raw water supply</p> <p>2-4. The owner of a drinking-water system that obtains water from a raw water supply that is surface water shall ensure provision of,</p> <ul style="list-style-type: none"> (a) water treatment equipment that, <ul style="list-style-type: none"> (i) is designed to be capable of chemically assisted filtration, and (ii) is designed to be capable of achieving, at all times, primary disinfection in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario, including at least 99 per cent removal or inactivation of <i>Cryptosporidium</i> oocysts, at least 99.9 per cent removal or inactivation of <i>Giardia</i> cysts and at least 99.99 per cent removal or inactivation of viruses by the time, <ul style="list-style-type: none"> (A) water leaves the point of entry treatment units, in the case of a drinking-water system to which, pursuant to section 3-2 of Schedule 3, section 2-5 does not apply, or (B) water enters the distribution system, in any other case; or (b) other water treatment equipment that, in the opinion of a professional engineer, is designed to be capable of producing water of equal or better quality than the equipment described in clause (a).
Section 2-6 of Schedule 2	<p>Section 2-6 of Schedule 2 to the Regulation is amended by striking out the portion before paragraph 1 and substituting the following:</p> <p>Primary disinfection equipment that does not use chlorination or chloramination</p> <p>2-6. If primary disinfection equipment that does not use chlorination or chloramination is provided by a drinking-water system, the owner of the system and the operating authority for the system shall ensure that the following standards are met:</p>

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Section	Amendment
Section 2-6 of Schedule 2	<p>Section 2-6 of Schedule 2 to the Regulation is amended by adding the following paragraph:</p> <p>4. In the case of a drinking-water system that provides ultraviolet light disinfection equipment, any sensors that form part of the equipment's monitoring system must be checked and calibrated in accordance with the manufacturer's instructions.</p>
Section 2-9 of Schedule 2	<p>Subsection 2-9 (1) of Schedule 2 to the Regulation is amended by striking out "commenced operation before August 1, 2000" and substituting "commenced operation before June 1, 2003".</p>
Section 3-2 of Schedule 3	<p>Section 3-2 of Schedule 3 to the Regulation is revoked and the following substituted:</p> <p>Point of entry treatment units</p> <p>3-2. Section 2-5 of Schedule 2 does not apply to a drinking-water system if the following criteria are met:</p> <p>1. A point of entry treatment unit belonging to the owner of the drinking-water system is installed in the plumbing of every building and other structure served by the system, other than buildings and other structures to which water is supplied exclusively for,</p> <ul style="list-style-type: none"> i. agricultural operations, ii. landscaping operations, iii. industrial or manufacturing operations, including food manufacturing or processing operations, or iv. swimming pool or skating rink maintenance operations. <p>2. If adjustments are required to a point of entry unit and access to the unit requires the permission of the occupants of the building or structure that is served by the unit, notice is given to the occupants informing them that access is required for that purpose.</p> <p>3. The owner of the drinking-water system has access at all times to shut-off valves that enable the owner to shut off the supply of water to the plumbing in which point of entry treatment units are installed.</p>
Section 3-2 of Schedule 3	<p>Paragraph 1 of section 3-2 of Schedule 3 to the Regulation is amended by striking out the portion before subparagraph I and substituting the following:</p> <p>1. A point of entry treatment unit belonging to the owner of the drinking-water system is connected to the plumbing of every building and other structure served by the system, other than buildings and other structures to which water is supplied exclusively for,</p> <p>Paragraph 3 of section 3-2 of Schedule 3 to the Regulation is revoked and the following substituted:</p> <p>3. The owner of the drinking-water system has access at all times to shut-off valves that enable the owner to shut off the supply of water to the plumbing to which point of entry treatment units are connected.</p>
Section 4-2 of Schedule 4	<p>Paragraph 2 of section 4-2 of Schedule 4 to the Regulation is revoked and the following substituted:</p> <p>2. Paragraphs 1 to 4 of subsection 1-2 (2) of Schedule 1.</p>
Section 6-2 of Schedule 6	<p>Section 6-2 of Schedule 6 to the Regulation is amended by striking out "the point at which treated water enters" and substituting "the point at which water enters".</p>

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Section	Amendment
Section 6-5 of Schedule 6	Paragraph 3 of subsection 6-5 (1) of Schedule 6 to the Regulation is amended by striking out "within 24 hours" in the portion before subparagraph I and substituting "within 72 hours".
Section 6-5 of Schedule 6	The Table to section 6-5 of Schedule 6 to the Regulation is revoked and the following substituted: (Please see footnote on page 25)*
Section 6-8 of Schedule 6	<p>Section 6-8 of Schedule 6 to the Regulation is revoked and the following substituted:</p> <p>Sample handling</p> <p>6-8. If this Regulation or an approval or order, including an OWRA order, requires a water sample to be tested for a parameter by a laboratory, the owner of the drinking-water system and the operating authority for the system shall ensure that, subject to the other provisions of this Regulation, the sample is taken and handled in accordance with the directions of the laboratory to which the sample will be delivered for testing, including directions with respect to,</p> <ul style="list-style-type: none"> (a) collection procedures; (b) the use of specified kinds of containers or of containers that are provided by the laboratory; (c) the labelling of samples; (d) the completion and submission of forms that are provided by the laboratory; (e) methods of transporting samples, including temperature conditions that must be maintained during transportation; and (f) time periods for delivery of samples.
Section 6-9 of Schedule 6	<p>Subsection 6-9 (1) of Schedule 6 to the Regulation is revoked and the following substituted:</p> <p>Testing by laboratories</p> <p>(1) The owner of a drinking-water system and the operating authority for the system shall ensure that every test for a parameter that is required by this Regulation, or by an approval or order, including an OWRA order,</p> <ul style="list-style-type: none"> (a) is conducted by an accredited laboratory for the parameter; or (b) in the case of a radiological parameter for which there is no accredited laboratory in Ontario, is conducted by a laboratory that, in the Director's opinion, is capable of conducting the test.
Section 6-9 of Schedule 6	Subsection 6-9 (1) of Schedule 6 to the Regulation, as remade by subsection (4), is revoked.
Section 6-9 of Schedule 6	Subsection 6-9 (2) of Schedule 6 to the Regulation is revoked.
Section 6-9 of Schedule 6	Subsection 6-9 (3) of Schedule 6 to the Regulation is amended by striking out "within 14 days after completing the test, prepare a report on the results of the test and send a copy" in the portion before clause (a) and substituting "within 28 days after completing the test, prepare a report on the results of the test and give a copy".

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Section	Amendment
Section 6-9 of Schedule 6	Subsection 6-9 (3) of Schedule 6 to the Regulation, as amended by subsection (7), is revoked.
Section 6-9 of Schedule 6	<p>Subsection 6-9 (5) of Schedule 6 to the Regulation is amended by striking out "or" at the end of clause (b) and by revoking clause (c) and substituting the following:</p> <p>(c) testing for fluoride, for turbidity, for free chlorine residual or for free chlorine residual and total chlorine residual measured for the purpose of determining combined chlorine residual, if the testing is conducted in the drinking-water system, or in a facility served by the system, by,</p> <p>(i) a certified operator,</p> <p>(ii) a trained person,</p> <p>(iii) a water quality analyst, or</p> <p>(iv) a provincial officer or person acting under the supervision of a provincial officer; or</p> <p>(d) testing required by Schedule 8 or 9 if, pursuant to section 8-7 of Schedule 8 or section 9-8 of Schedule 9, the testing may be conducted by any person.</p>
Section 6-9 of Schedule 6	Subsection 6-9 (5) of Schedule 6 to the Regulation, as amended by subsection (9), is revoked.
Section 6-9 of Schedule 6	Subsections 6-9 (7) to (9) of Schedule 6 to the Regulation are revoked.
New Section	<p>Schedule 6 to the Regulation is amended by adding the following section:</p> <p>OWRA approvals</p> <p>6-12. (1) If an OWRA approval requires more stringent sampling or testing than a provision of this Schedule or Schedules 7 to 15, the OWRA approval prevails.</p> <p>(2) If an OWRA approval requires less stringent sampling or testing than a provision of this Schedule or Schedules 7 to 15, the provision of this Schedule or Schedules 7 to 15 prevails.</p>
Section 7-2 of Schedule 7	Subsection 7-2 (1) of Schedule 7 to the Regulation is amended by striking out "at a location" and substituting "at or near a location".
Section 7-2 of Schedule 7	Subsection 7-2 (2) of Schedule 7 to the Regulation is amended by striking out "at a location" and substituting "at or near a location".
Section 7-3 of Schedule 7	Subsection 7-3 (1) of Schedule 7 to the Regulation is amended by striking out "and is tested for turbidity" at the end and substituting "and is tested immediately for turbidity".

<p align="center">Summary of Amendments to Ontario Regulation 170/03 (Per Ontario Regulations 249/03 and 269/03 made under the <i>Safe Drinking Water Act</i>) Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments</p>	
Section	Amendment
Section 7-5 of Schedule 7	<p>Section 7-5 of Schedule 7 to the Regulation is revoked and the following substituted:</p> <p>Testing by certified operators or water quality analysts</p> <p>7-5. (1) The owner of a drinking-water system and the operating authority for the system shall ensure that every test required by this Schedule is conducted by a certified operator or a water quality analyst.</p> <p>(2) Subsection (1) does not apply to tests conducted by continuous monitoring equipment.</p>
Section 8-2 of Schedule 8	<p>Section 8-2 of Schedule 8 to the Regulation is revoked and the following substituted:</p> <p>Equipment maintenance</p> <p>8-2. (1) If a report that complies with section 21-5 of Schedule 21 has been prepared in respect of a drinking-water system in accordance with that Schedule, the owner of the system and the operating authority for the system shall ensure that the maintenance schedule referred to in clause 21-5 (d) of Schedule 21 is complied with by a certified operator.</p> <p>(2) If subsection (1) does not apply but a manufacturer of a drinking-water system's water treatment equipment has given instructions with respect to the checking or maintenance of the equipment, the owner of the system and the operating authority for the system shall ensure that the instructions are complied with by a certified operator.</p> <p>(3) If subsections (1) and (2) do not apply and a drinking-water system provides chlorination or chloramination, the owner of the system and the operating authority for the system shall ensure that all water treatment equipment is checked at least once every week by a certified operator to confirm proper functioning.</p> <p>(4) If subsections (1), (2) and (3) do not apply, the owner of a drinking-water system and the operating authority for the system shall ensure that all water treatment equipment is checked at least once every three months by a certified operator to confirm proper functioning.</p> <p>(5) The owner of the drinking-water system and the operating authority for the system shall ensure that a record is made of the date and time of every action taken under subsections (1) to (4), the name of the person who took the action and the results of the action.</p>
Section 8-3 of Schedule 8	<p>Subsection 8-3 (1) of Schedule 8 to the Regulation is amended by striking out "at a location" and substituting "at or near a location".</p>
Section 8-3 of Schedule 8	<p>Subsection 8-3 (2) of Schedule 8 to the Regulation is amended by striking out "at a location" and substituting "at or near a location".</p>
Section 8-3 of Schedule 8	<p>Section 8-3 of Schedule 8 to the Regulation is amended by adding the following subsection:</p> <p>(4) Subsection (3) does not apply if,</p> <ul style="list-style-type: none"> (a) the owner complies with section 2-3 or 2-4 of Schedule 2, whichever is applicable; and (b) all parts of the drinking-water system and of the plumbing connected to the drinking-water system that are downstream of the equipment provided in accordance with section 2-3 or 2-4 of Schedule 2 are enclosed in a building or other protective structure.

Summary of Amendments to Ontario Regulation 170/03

(Per Ontario Regulations 249/03 and 269/03 made under the *Safe Drinking Water Act*)

Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments

Section	Amendment
Section 8-4 of Schedule 8	<p>Section 8-4 of Schedule 8 to the Regulation is revoked and the following substituted:</p> <p>Turbidity</p> <p>8-4. (1) The owner of a drinking-water system that obtains water from a raw water supply that is ground water, and the operating authority for the system, shall ensure that a water sample is taken at least once every month, from a location that is before raw water enters the treatment system, and is tested immediately for turbidity.</p> <p>(2) If, with respect to a drinking-water system that obtains water from a raw water supply that is surface water, continuous monitoring equipment is required to comply with section 2-4 of Schedule 2, the owner of the system shall ensure that sampling and testing for turbidity is conducted by continuous monitoring equipment on each filter effluent line.</p> <p>(3) If subsection (2) does not apply to a drinking-water system that obtains water from a raw water supply that is surface water, the owner of the system, and the operating authority for the system, shall ensure that a water sample is taken at least once every day on each filter effluent line and is tested immediately for turbidity.</p> <p>(4) Subsections (2) and (3) do not apply to a drinking-water system until the equipment required to ensure compliance with Schedule 2 commences operation.</p>
Section 8-5 of Schedule 8	<p>Subsection 8-5 (1) of Schedule 8 to the Regulation is amended by striking out "by a certified operator" at the end and substituting "by a certified operator or a water quality analyst".</p>
Section 8-7 of Schedule 8	<p>Section 8-7 of Schedule 8 to the Regulation is revoked and the following substituted:</p> <p>Transition: certified operators</p> <p>8-7. If the owner of a drinking-water system is not required to comply with sections 2-2 to 2-6 of Schedule 2 until after June 1, 2003, a reference in this Schedule to a certified operator shall be deemed, with respect to that system, to be a reference to any person until the equipment required to ensure compliance with Schedule 2 commences operation.</p>

Summary of Amendments to Ontario Regulation 170/03

(Per Ontario Regulations 249/03 and 269/03 made under the *Safe Drinking Water Act*)

Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments

Section	Amendment
Section 9-2 of Schedule 9	<p>Section 9-2 of Schedule 9 to the Regulation is revoked and the following substituted:</p> <p>Equipment maintenance</p> <p>9-2. (1) If a report that complies with section 21-5 of Schedule 21 has been prepared in respect of a drinking-water system in accordance with that Schedule, the owner of the system and the operating authority for the system shall ensure that the maintenance schedule referred to in clause 21-5 (d) of Schedule 21 is complied with by a trained person.</p> <p>(2) If subsection (1) does not apply but a manufacturer of a drinking-water system's water treatment equipment has given instructions with respect to the checking or maintenance of the equipment, the owner of the system and the operating authority for the system shall ensure that the instructions are complied with by a trained person.</p> <p>(3) If subsections (1) and (2) do not apply and a drinking-water system provides chlorination or chloramination, the owner of the system and the operating authority for the system shall ensure that all water treatment equipment is checked at least once every week by a trained person to confirm proper functioning.</p> <p>(4) If subsections (1), (2) and (3) do not apply, the owner of a drinking-water system and the operating authority for the system shall ensure that all water treatment equipment is checked at least once every three months by a trained person to confirm proper functioning.</p> <p>(5) The owner of the drinking-water system and the operating authority for the system shall ensure that a record is made of the date and time of every action taken under subsections (1) to (4), the name of the person who took the action and the results of the action.</p>
Section 9-3 of Schedule 9	Subsection 9-3 (1) of Schedule 9 to the Regulation is amended by striking out "at a location" and substituting "at or near a location".
Section 9-3 of Schedule 9	Subsection 9-3 (2) of Schedule 9 to the Regulation is amended by striking out "at a location" and substituting "at or near a location".
Section 9-3 of Schedule 9	<p>Section 9-3 of Schedule 9 to the Regulation is amended by adding the following subsection:</p> <p>(4) Subsection (3) does not apply if,</p> <ul style="list-style-type: none"> (a) the owner complies with section 2-3 or 2-4 of Schedule 2, whichever is applicable; and (b) all parts of the drinking-water system and of the plumbing connected to the drinking-water system that are downstream of the equipment provided in accordance with section 2-3 or 2-4 of Schedule 2 are enclosed in a building or other protective structure.

<p align="center">Summary of Amendments to Ontario Regulation 170/03 (Per Ontario Regulations 249/03 and 269/03 made under the <i>Safe Drinking Water Act</i>) Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments</p>	
Section	Amendment
Section 9-4 of Schedule 9	<p>Section 9-4 of Schedule 9 to the Regulation is revoked and the following substituted:</p> <p>Turbidity</p> <p>9-4. (1) If, with respect to a drinking-water system that obtains water from a raw water supply that is surface water, continuous monitoring equipment is required to comply with section 2-4 of Schedule 2, the owner of the system shall ensure that sampling and testing for turbidity is conducted by continuous monitoring equipment on each filter effluent line.</p> <p>(2) If subsection (1) does not apply to a drinking-water system that obtains water from a raw water supply that is surface water, the owner of the system, and the operating authority for the system, shall ensure that a water sample is taken at least once every day on each filter effluent line and is tested immediately for turbidity.</p> <p>(3) Subsections (1) and (2) do not apply until the equipment required to ensure compliance with Schedule 2 commences operation.</p>
Section 9-5 of Schedule 9	<p>Subsection 9-5 (1) of Schedule 9 to the Regulation is amended by striking out "by a trained person" at the end and substituting "by a trained person or a water quality analyst".</p>
Section 9-6 of Schedule 9	<p>Section 9-6 of Schedule 9 to the Regulation is revoked and the following substituted:</p> <p>Exceptions</p> <p>9-6. (1) Sections 9-2 to 9-4 do not apply to a small municipal non-residential system or a small non-municipal non-residential system on days on which all designated facilities and all public facilities served by the system are not open.</p> <p>(2) Sections 9-2 to 9-4 do not apply to a non-municipal seasonal residential system during a period of 60 or more consecutive days when the system is not in operation.</p>
Section 9-6 of Schedule 9	<p>Subsection 9-6 (2) of Schedule 9 to the Regulation is revoked and the following substituted:</p> <p>(2) Sections 9-2 to 9-4 do not apply to a non-municipal seasonal residential system during a period of 60 or more consecutive days when,</p> <ul style="list-style-type: none"> (a) the system is not in operation; or (b) the system supplies water only to private residences that are occupied by the owner of the system, members of the family of the owner of the system, employees or agents of the owner of the system, or members of the families of employees or agents of the owner of the system.
Section 9-8 of Schedule 9	<p>Section 9-8 of Schedule 9 to the Regulation is revoked and the following substituted:</p> <p>Transition: trained persons</p> <p>9-8. If the owner of a drinking-water system is not required to comply with sections 2-2 to 2-6 of Schedule 2 until after June 1, 2003, a reference in this Schedule to a trained person shall be deemed, with respect to that system, to be a reference to any person until the equipment required to ensure compliance with Schedule 2 commences operation.</p>

Summary of Amendments to Ontario Regulation 170/03

(Per Ontario Regulations 249/03 and 269/03 made under the *Safe Drinking Water Act*)

Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments

Section	Amendment
Section 11-2 of Schedule 11	<p>Subsection 11-2 (3) of Schedule 11 to the Regulation is revoked and the following substituted:</p> <p>(3) The frequency of sampling under subsection (1) may be reduced to the frequency set out in subsection (4) if,</p> <ul style="list-style-type: none"> (a) samples have been taken with the frequency set out in subsection (1) and tested in accordance with subsection (2) for a period of 24 consecutive months and, during that period, not more than one of the test results obtained under paragraph 2 of section 18-5 and paragraph 1 of section 18-6 of Schedule 18 to this Regulation exceeds the standard prescribed for <i>Escherichia coli</i>, fecal coliforms or total coliforms by Schedule 1 to the Ontario Drinking-Water Quality Standards; and (b) the owner of the drinking-water system or the operating authority for the system has given the Director at least seven days notice in writing of the intention to reduce the frequency of sampling.
Section 11-2 of Schedule 11	<p>Section 11-2 of Schedule 11 to the Regulation is amended by adding the following subsections:</p> <p>(6) If a drinking-water system uses point of entry treatment units, the samples taken under subsection (1) shall be taken from locations downstream of the point of entry treatment units and shall be taken on a rotational basis so that, after a sample is taken from a location downstream of a particular point of entry treatment unit, another sample is not taken from a location downstream of that unit until samples have been taken from locations downstream of all the other point of entry treatment units.</p> <p>(7) For the purpose of subsections (3) and (5),</p> <ul style="list-style-type: none"> (a) samples taken and tested for microbiological parameters before June 1, 2003 in accordance with clause 7 (1) (a) of Ontario Regulation 459/00 (Drinking Water Protection - Larger Water Works) shall be deemed to be samples taken with the frequency set out in subsection (1) and tested in accordance with subsection (2); (b) samples taken and tested before June 1, 2003 in accordance with subsection 8 (1) of Ontario Regulation 505/01 (Drinking Water Protection - Smaller Water Works Serving Designated Facilities) shall be deemed to be samples taken with the frequency set out in subsection (1) and tested in accordance with subsection (2); (c) test results obtained from samples taken and tested before June 1, 2003 pursuant to corrective action described in paragraph 1 of Schedule 6 to Ontario Regulation 459/00 shall be deemed to be test results obtained under paragraph 2 of section 18-5 of Schedule 18 to this Regulation; (d) test results obtained from samples taken and tested before June 1, 2003 pursuant to corrective action described in paragraph 2 of Schedule 1 to Ontario Regulation 505/01 shall be deemed to be test results obtained under paragraph 2 of section 18-5 of Schedule 18 to this Regulation; (e) test results obtained from samples taken and tested before June 1, 2003 pursuant to corrective action described in paragraph 2 of Schedule 6 to Ontario Regulation 459/00 shall be deemed to be test results obtained under paragraph 1 of section 18-6 of Schedule 18 to this Regulation; and (f) test results obtained from samples taken and tested before June 1, 2003 pursuant to corrective action described in paragraph 3 of Schedule 1 to Ontario Regulation 505/01 shall be deemed to be test results obtained under paragraph 1 of section 18-6 of Schedule 18 to this Regulation.

Summary of Amendments to Ontario Regulation 170/03

(Per Ontario Regulations 249/03 and 269/03 made under the *Safe Drinking Water Act*)

Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments

Section	Amendment
Section 11-4 of Schedule 11	<p>Section 11-4 of Schedule 11 to the Regulation is revoked and the following substituted:</p> <p>Seven-day shutdowns, etc.</p> <p>11-4. (1) Sampling and testing is not required under sections 11-2 and 11-3 during a period of seven or more consecutive days when,</p> <ul style="list-style-type: none"> (a) the drinking-water system is not in operation; or (b) the drinking-water system supplies water only to private residences that are occupied by the owner of the system, members of the family of the owner of the system, employees or agents of the owner of the system, or members of the families of employees or agents of the owner of the system. <p>(2) If, pursuant to subsection (1), sampling and testing is not required during a period of seven or more consecutive days, the owner of the system and the operating authority for the system shall ensure that no drinking water is supplied to a user of water after that period until samples have been taken and tested under sections 11-2 and 11-3 and the results of the tests have been received by the owner and the operating authority.</p>
Section 11-5 of Schedule 11	Section 11-5 of Schedule 11 to the Regulation is revoked.
Section 12-2 of Schedule 12	<p>Subsection 12-2 (4) of Schedule 12 to the Regulation is revoked and the following substituted:</p> <p>(4) The frequency of sampling under subsection (1) may be reduced to the frequency set out in subsection (5) if,</p> <ul style="list-style-type: none"> (a) samples have been taken with the frequency set out in subsection (1) and tested in accordance with subsection (2) for a period of 24 consecutive months and, during that period, not more than one of the test results obtained under paragraph 2 of section 18-5 and paragraph 1 of section 18-6 of Schedule 18 to this Regulation exceeds the standard prescribed for <i>Escherichia coli</i>, fecal coliforms or total coliforms by Schedule 1 to the Ontario Drinking-Water Quality Standards; and (b) the owner of the drinking-water system or the operating authority for the system has given the Director at least seven days notice in writing of the intention to reduce the frequency of sampling.
Section 12-2 of Schedule 12	Clause 12-2 (5) (a) of Schedule 12 to the Regulation is amended by striking out "every two weeks" and substituting "every four weeks".
Section 12-2 of Schedule 12	Clause 12-2 (5) (b) of Schedule 12 to the Regulation is amended by striking out "every week" and substituting "every two weeks".

Summary of Amendments to Ontario Regulation 170/03

(Per Ontario Regulations 249/03 and 269/03 made under the *Safe Drinking Water Act*)

Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments

Section	Amendment
Section 12-2 of Schedule 12	<p>Section 12-2 of Schedule 12 to the Regulation is amended by adding the following subsections:</p> <p>(7) If a drinking-water system uses point of entry treatment units, the samples taken under subsection (1) shall be taken from locations downstream of the point of entry treatment units and shall be taken on a rotational basis so that, after a sample is taken from a location downstream of a particular point of entry treatment unit, another sample is not taken from a location downstream of that unit until samples have been taken from locations downstream of all the other point of entry treatment units.</p> <p>(8) For the purpose of subsections (4) and (6),</p> <ul style="list-style-type: none"> (a) samples taken and tested for microbiological parameters before June 1, 2003 in accordance with clause 7 (1) (a) of Ontario Regulation 459/00 (Drinking Water Protection - Larger Water Works) shall be deemed to be samples taken with the frequency set out in subsection (1) and tested in accordance with subsection (2); (b) samples taken and tested before June 1, 2003 in accordance with subsection 8 (1) of Ontario Regulation 505/01 (Drinking Water Protection - Smaller Water Works Serving Designated Facilities) shall be deemed to be samples taken with the frequency set out in subsection (1) and tested in accordance with subsection (2); (c) test results obtained from samples taken and tested before June 1, 2003 pursuant to corrective action described in paragraph 1 of Schedule 6 to Ontario Regulation 459/00 shall be deemed to be test results obtained under paragraph 2 of section 18-5 of Schedule 18 to this Regulation; (d) test results obtained from samples taken and tested before June 1, 2003 pursuant to corrective action described in paragraph 2 of Schedule 1 to Ontario Regulation 505/01 shall be deemed to be test results obtained under paragraph 2 of section 18-5 of Schedule 18 to this Regulation; (e) test results obtained from samples taken and tested before June 1, 2003 pursuant to corrective action described in paragraph 2 of Schedule 6 to Ontario Regulation 459/00 shall be deemed to be test results obtained under paragraph 1 of section 18-6 of Schedule 18 to this Regulation; and (f) test results obtained from samples taken and tested before June 1, 2003 pursuant to corrective action described in paragraph 3 of Schedule 1 to Ontario Regulation 505/01 shall be deemed to be test results obtained under paragraph 1 of section 18-6 of Schedule 18 to this Regulation.
Section 12-4 of Schedule 12	<p>Section 12-4 of Schedule 12 to the Regulation is revoked and the following substituted:</p> <p>Seven-day shutdowns, etc.</p> <p>12-4. (1) Sampling and testing is not required under sections 12-2 and 12-3 during a period of seven or more consecutive days when,</p> <ul style="list-style-type: none"> (a) the drinking-water system is not in operation; or (b) the drinking-water system supplies water only to private residences that are occupied by the owner of the system, members of the family of the owner of the system, employees or agents of the owner of the system, or members of the families of employees or agents of the owner of the system. <p>(2) If, pursuant to subsection (1), sampling and testing is not required during a period of seven or more consecutive days, the owner of the system and the operating authority for the system shall ensure that no drinking water is supplied to a user of water after that period until samples have been taken and tested under sections 12-2 and 12-3 and the results of the tests have been received by the owner and the operating authority.</p>

<p align="center">Summary of Amendments to Ontario Regulation 170/03 (Per Ontario Regulations 249/03 and 269/03 made under the <i>Safe Drinking Water Act</i>) Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments</p>	
Section	Amendment
Section 12-5 of Schedule 12	Section 12-5 of Schedule 12 to the Regulation is revoked.
Section 13-11 of Schedule 13	<p>Section 13-11 of Schedule 13 to the Regulation is revoked and the following substituted: 60-day shutdowns, etc.</p> <p>13-11. Sampling and testing is not required under sections 13-5, 13-6 and 13-7 during a period of 60 or more consecutive days when,</p> <ul style="list-style-type: none"> (a) the drinking-water system is not in operation; or (b) the drinking-water system supplies water only to private residences that are occupied by the owner of the system, members of the family of the owner of the system, employees or agents of the owner of the system, or members of the families of employees or agents of the owner of the system.
Section 13-12 of Schedule 13	Section 13-12 of Schedule 13 to the Regulation is revoked.
Section 14-9 of Schedule 14	<p>Section 14-9 of Schedule 14 to the Regulation is revoked and the following substituted: 60-day shutdowns, etc.</p> <p>14-9. Sampling and testing is not required under sections 14-4 and 14-5 during a period of 60 or more consecutive days when,</p> <ul style="list-style-type: none"> (a) the drinking-water system is not in operation; or (b) the drinking-water system supplies water only to private residences that are occupied by the owner of the system, members of the family of the owner of the system, employees or agents of the owner of the system, or members of the families of employees or agents of the owner of the system.
Section 14-10 of Schedule 14	Section 14-10 of Schedule 14 to the Regulation is revoked.
Section 15-4 of Schedule 15	<p>Subsection 15-4 (2) of Schedule 15 to the Regulation is revoked and the following substituted:</p> <p>(2) Sampling and testing is not required under subsection (1) during a period of 60 or more consecutive days when,</p> <ul style="list-style-type: none"> (a) the drinking-water system is not in operation; or (b) the drinking-water system supplies water only to private residences that are occupied by the owner of the system, members of the family of the owner of the system, employees or agents of the owner of the system, or members of the families of employees or agents of the owner of the system.
Section 15-6 of Schedule 15	Section 15-6 of Schedule 15 to the Regulation is amended by striking out "If a drinking-water system does not provide fluoridation" at the beginning.

<p align="center">Summary of Amendments to Ontario Regulation 170/03 (Per Ontario Regulations 249/03 and 269/03 made under the <i>Safe Drinking Water Act</i>) Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments</p>	
Section	Amendment
Section 15-8 of Schedule 15	Section 15-8 of Schedule 15 to the Regulation is revoked.
Section 16-2 of Schedule 16	<p>Clause 16-2 (b) of Schedule 16 to the Regulation is revoked and the following substituted:</p> <p>(b) the test,</p> <ul style="list-style-type: none"> (i) is conducted by or pursuant to the direction of the owner of a drinking-water system, the operating authority for a drinking-water system or a certified operator or trained person employed by the owner or operating authority, and (ii) does not relate to water that is supplied exclusively for, <ul style="list-style-type: none"> (A) agricultural operations, (B) landscaping operations, (C) industrial or manufacturing operations, including food manufacturing or processing operations, or (D) swimming pool or skating rink maintenance operations;
Section 16-2 of Schedule 16	<p>Clause 16-2 (c) of Schedule 16 to the Regulation is amended by striking out “by or pursuant to” and substituting “pursuant to”.</p> <p>Clause 16-2 (d) of Schedule 16 to the Regulation is amended by striking out “by or pursuant to” and substituting “pursuant to”.</p> <p>Clause 16-2 (e) of Schedule 16 to the Regulation is amended by striking out “by or pursuant to” and substituting “pursuant to”.</p>
Section 16-3 of Schedule 16	<p>Paragraph 6 of section 16-3 of Schedule 16 to the Regulation is amended by striking out the portion before subparagraph I and substituting the following:</p> <p>6. If the drinking-water system is required to provide filtration and a report under subsection 18 (1) of the Act has not been made in respect of turbidity in the preceding 24 hours, a result indicating that turbidity exceeds 1.0 Nephelometric Turbidity Units (NTU) in,</p>
Section 16-3 of Schedule 16	<p>Paragraph 9 of section 16-3 of Schedule 16 to the Regulation is revoked and the following substituted:</p> <p>9. A result indicating that the concentration of fluoride exceeds 1.5 milligrams per litre in a sample of drinking water, if,</p> <ul style="list-style-type: none"> i. the drinking-water system provides fluoridation and a report under subsection 18 (1) of the Act has not been made in respect of fluoride in the preceding 24 hours, or ii. the drinking-water system does not provides fluoridation and a report under subsection 18 (1) of the Act has not been made in respect of fluoride in the preceding 60 months.
New Section	<p>Schedule 16 to the Regulation is amended by adding the following section:</p> <p>Small non-municipal non-residential systems that do not serve designated facilities</p> <p>16-10. If a small non-municipal non-residential system does not serve a designated facility, section 18 of the Act and this Schedule do not apply to the system until June 1, 2005.</p>

<p align="center">Summary of Amendments to Ontario Regulation 170/03 (Per Ontario Regulations 249/03 and 269/03 made under the <i>Safe Drinking Water Act</i>) Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments</p>	
Section	Amendment
Section 19-3 of Schedule 19	<p>Clause 19-3 (1) (b) of Schedule 19 to the Regulation is revoked and the following substituted:</p> <p>(b) a public health inspector under the <i>Health Protection and Promotion Act</i>, or a person acting under the supervision of a public health inspector.</p>
Section 21-2 of Schedule 21	<p>Subsection 21-2 (3) of Schedule 21 to the Regulation is revoked and the following substituted:</p> <p>(3) If an OWRA approval was granted after August 1, 2000 in respect of the system and the owner of the system gives the Director a written statement by a professional engineer certifying that,</p> <ul style="list-style-type: none"> (a) he or she has visited the system; and (b) in his or her opinion, <ul style="list-style-type: none"> (i) all equipment required in order to ensure compliance with Schedule 2 is being provided, and (ii) all equipment required in order to ensure compliance with Schedules 6, 8 and 9 is being provided, <p>the owner of the system shall be deemed to have complied with subsection (1) and with the owner's first obligation to give a notice to the Director under section 21-7, and, for the purpose of this Schedule, the report required by subsection (1) shall be deemed to have been required to be prepared not later than the date the OWRA approval was granted.</p>
Section 21-3 of Schedule 21	<p>Subsection 21-3 (1) of Schedule 21 to the Regulation is revoked and the following substituted:</p> <p>New and altered systems</p> <p>(1) If, after this Regulation comes into force, a drinking-water system commences operation or an alteration is made to a drinking-water system, the owner of the system shall ensure that, not later than 30 days after the system commences operation or the alteration is completed, a professional engineer who has experience in sanitary engineering related to drinking-water systems prepares a report that complies with section 21-5.</p>

<p align="center">Summary of Amendments to Ontario Regulation 170/03 (Per Ontario Regulations 249/03 and 269/03 made under the <i>Safe Drinking Water Act</i>) Note: unshaded rows are 249/03 amendments; and lightly shaded rows are 269/03 amendments</p>	
Section	Amendment
Section 21-5 of Schedule 21	<p>Section 21-5 of Schedule 21 to the Regulation is revoked and the following substituted:</p> <p>Contents of engineer's report</p> <p>21-5. For the purposes of this Schedule, a report complies with this section if,</p> <ul style="list-style-type: none"> (a) the report specifies which type of drinking-water system listed in subsection 21-1 (1) the report deals with; (b) the professional engineer who prepares the report certifies in the report that he or she has visited the drinking-water system and that, in his or her opinion, <ul style="list-style-type: none"> (i) all equipment required in order to ensure compliance with Schedule 2 is being provided, and (ii) all equipment required in order to ensure compliance with Schedules 6, 8 and 9 is being provided; (c) the report sets out the professional engineer's reasons for the opinion referred to in clause (b), along with the technical and other information he or she relied on in reaching that opinion; and (d) the report includes a maintenance schedule that sets out requirements relating to the frequency with which the following equipment must be inspected, tested and replaced: <ul style="list-style-type: none"> (i) the water treatment equipment that is provided by the drinking-water system, and (ii) the equipment that is provided by the drinking-water system in order to ensure compliance with Schedules 6, 8 and 9.
Section 22-2 of Schedule 22	Section 22-2 (1) of Schedule 22 to the Regulation is amended by striking out "each year after 2004" in the portion before clause (a) and substituting "each year after 2003".
Section 22-2 of Schedule 22	<p>Section 22-2 of Schedule 22 to the Regulation is amended by adding the following subsection:</p> <p>(5) For the purpose of subsection (1), the preceding calendar year for the report that is required to be prepared not later than March 31, 2004 shall be deemed to be the period from July 1, 2003 to December 31, 2003.</p>
New Section	<p>Schedule 22 to the Regulation is amended by adding the following section:</p> <p>OWRA approvals</p> <p>22-3. A provision of an OWRA approval that requires the completion and presentation of a compliance report does not apply to a drinking-water system if the owner of the system complies with section 22-2.</p>
Item 24 of Schedule 24	<p>Item 24 of Schedule 24 to the Regulation is revoked and the following substituted:</p> <p>24. 2,4-Dichlorophenol</p>

Footnote:

Item	Parameter	Minimum Testing and Recording Frequency	Maximum Alarm Standard	Minimum Alarm Standard
1	Free chlorine residual required to achieve primary disinfection	5 minutes	Not applicable	0.1 milligrams per litre less than the concentration of free chlorine residual that is required to achieve primary disinfection
2	Free chlorine residual and total chlorine residual measured for the purpose of determining combined chlorine residual required to achieve primary disinfection	5 minutes	Not applicable	0.1 milligrams per litre less than the concentration of combined chlorine residual that is required to achieve primary disinfection
3	Free chlorine residual in a distribution sample	1 hour	Not applicable	0.05 milligrams per litre
4	Free chlorine residual and total chlorine residual measured for the purpose of determining combined chlorine residual in a distribution sample	1 hour	Not applicable	0.25 milligrams per litre
5	Turbidity	15 minutes	1.0 Nephelometric Turbidity Units (NTU)	Not applicable

Table 2 – Summary of Amendments to Ontario Regulation 169/03

Summary of Amendments to Ontario Regulation 169/03 (Per Ontario Regulation 268/03 made under the <i>Safe Drinking Water Act</i>)	
Section	Amendment
Item 33	Item 33 of Schedule 2 to Ontario Regulation 169/03 is revoked and the following substituted: 33. 2,4-Dichlorophenol 0.9
Item 57	Item 57 of Schedule 2 to Ontario Regulation 169/03 is revoked and the following substituted: 57. N-Nitrosodimethylamine 0.000009

Table 3 – Summary of Amendments to Ontario Regulation 171/03

Summary of Amendments to Ontario Regulation 171/03 (Per Ontario Regulation 270/03 made under the <i>Safe Drinking Water Act</i>)	
Section	Amendment
Section 3	Section 3 of Ontario Regulation 171/03 is revoked and the following substituted: Other Definitions 3. In the Act, “equipment installed in plumbing to treat water” does not include a plumbing appliance within the meaning of Ontario Regulation 403/97 (Building Code); “treatment equipment installed in plumbing” does not include a plumbing appliance within the meaning of Ontario Regulation 403/97 (Building Code).

Table 4 – Summary of Amendments to Ontario Regulation 435/93

Summary of Amendments to Ontario Regulation 435/93 (Per Ontario Regulation 271/03 made under the <i>Ontario Water Resources Act</i>)	
Section	Amendment
Section 1	<p>Section 1 of Ontario Regulation 435/93 is amended by adding the following definitions:</p> <p>“large municipal non-residential system” has the same meaning as in Ontario Regulation 170/03 (Drinking-Water Systems);</p> <p>“large municipal residential system” has the same meaning as in Ontario Regulation 170/03;</p> <p>“large non-municipal non-residential system” has the same meaning as in Ontario Regulation 170/03;</p> <p>“non-municipal year-round residential system” has the same meaning as in Ontario Regulation 170/03;</p> <p>“small municipal residential system” has the same meaning as in Ontario Regulation 170/03;</p>
Section 2	Clause 2 (1) (a.1) of the Regulation is amended by striking out the portion after subclause (v).
Section 4	<p>3. Section 4 of the Regulation is amended by adding the following subsection:</p> <p>(2.1) Despite paragraphs 1 and 2 of subsection (2), if the facility is a large municipal non-residential system, a non-municipal year-round residential system or a large non-municipal non-residential system and the owner of the facility is not required to comply with sections 2-2 to 2-6 of Schedule 2 of Ontario Regulation 170/03 (Drinking-Water Systems) until after June 1, 2003, the application under subsection (1) shall be filed at least 30 days before the equipment required to ensure compliance with that Schedule commences operation.</p>
New Section	<p>The Regulation is amended by adding the following section:</p> <p>21. If a facility is a large municipal non-residential system, a non-municipal year-round residential system or a large non-municipal non-residential system and the owner of the facility is not required to comply with sections 2-2 to 2-6 of Schedule 2 of Ontario Regulation 170/03 (Drinking-Water Systems) until after June 1, 2003, sections 13 to 20 do not apply to the facility until the equipment required to ensure compliance with that Schedule commences operation.</p>

Table 5 – Summary of Amendments to Ontario Regulation 525/98

Summary of Amendments to Ontario Regulation 525/98 (Per Ontario Regulation 272/03 made under the <i>Ontario Water Resources Act</i>)	
Section	Amendment
New Section	<p>Ontario Regulation 525/98 is amended by adding the following section:</p> <p>3.1 Subsections 53(1) and (3) of the Act do not apply to a sewage works that is part of a large non-municipal residential system or a small non-municipal residential system, as those systems are defined in Ontario Regulation 170/03 (Drinking Water Systems) made under the <i>Safe Drinking Water Act, 2002</i>.</p>

Table 6 – Summary of Amendments to Ontario Regulation 524/98

Summary of Amendments to Ontario Regulation 524/98 (Per Ontario Regulation 273/03 made under the <i>Environmental Protection Act</i>)	
Section	Amendment
Section 1	Subsection 1(1) of Ontario Regulation 524/98 is amended by adding the following paragraph: (u) Any equipment, apparatus, mechanism or thing that is part of a large municipal residential system or a small municipal residential system, as those systems are defined in Ontario Regulation 170/03 (Drinking Water Systems) made under the <i>Safe Drinking Water Act, 2002</i> .